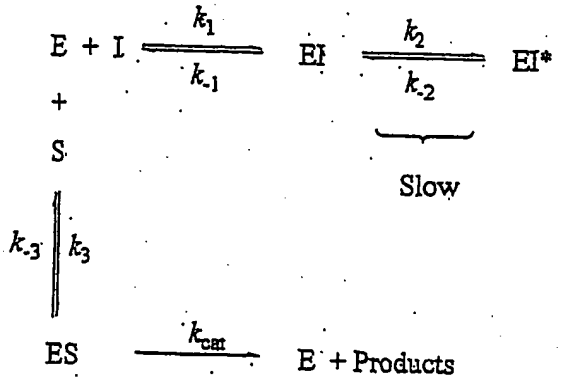
FIGURE 1



$$K_s \equiv \frac{k_{-3}}{k_3} \qquad K_d = \frac{k_{-1}\,k_{-2}}{k_1\,k_2}$$

$$K_i = \frac{k_{-1}}{k_1} \qquad K_i^* = \frac{K_i\,k_{-2}}{k_2 + k_{-2}}$$

Scheme 1

$$k_{app} = k_{-2} + \left[k_2 \frac{[I]/K_i}{1 + [I]/K_i} \right] \qquad \text{eqn. (1)}$$

$$[EI^*] = \frac{([E]_t + [I]_t + K_d) - \sqrt{([E]_t + [I]_t + K_d)^2 - 4([E]_t\,[I]_t}}{2} \qquad \text{eqn. (2)}$$

$$t_{1/2} = \frac{\ln 2}{k_2} \left[1 + \frac{K_i}{[I]} \right] \qquad \text{eqn. (3)}$$

Figure 2

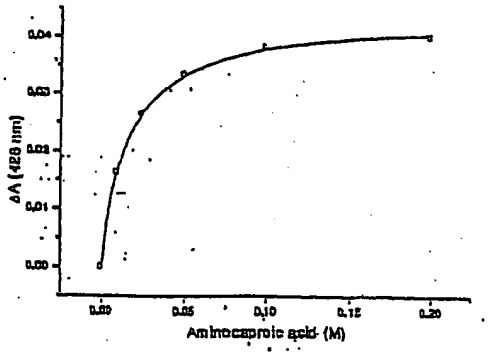


Figure 3

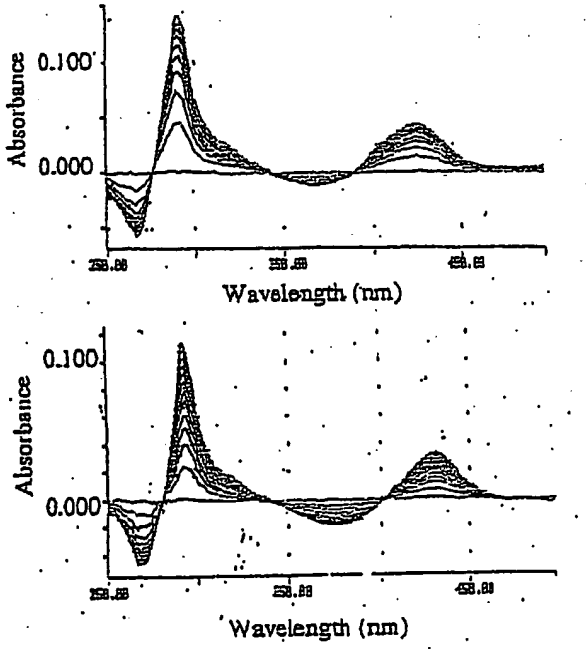
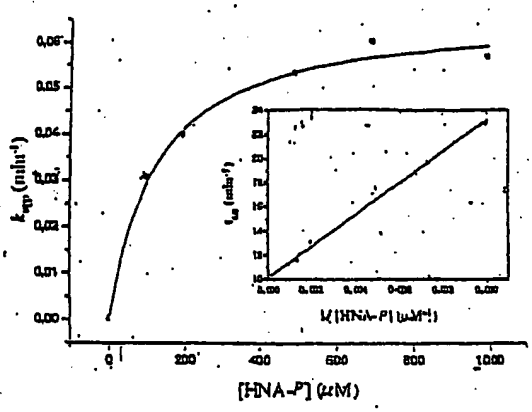
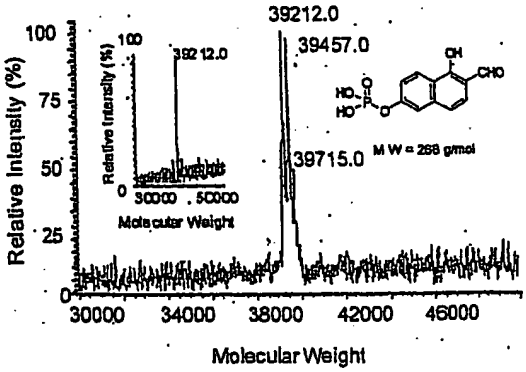


Figure 4


[HNA-P] (μM)

e 5


39212.0
39457.0
39715.0
Relative Intensity (%)
Molecular Weight
M W = 268 g/mol